

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QUANYUAN SHANG	08/30/2010
LU YANG	08/27/2010
KARL M. BROWN	08/27/2010
DONALD J.K. OLGADO	09/01/2010
VICTOR PEBENITO	08/30/2010
HOOMAN BOLANDI	08/27/2010
TETSUYA ISHIKAWA	08/27/2010
ROBERT Z. BACHRACH	09/07/2010
LIANG-YUH CHEN	09/03/2010

RECEIVING PARTY DATA

Name:	APPLIED MATERIALS, INC.
Street Address:	P.O. BOX 450A
Internal Address:	LEGAL AFFAIRS DEPT.
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12862265

CORRESPONDENCE DATA

Fax Number: (408)986-3090
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 408-563-2726
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 Correspondent Name: Robert W. Mulcahy
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CH \$40.00 12862265

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**PATENT
 REEL: 025024 FRAME: 0348**

Address Line 2: LEGAL AFFAIRS DEPT.
Address Line 4: SANTA CLARA, CALIFORNIA 95052

ATTORNEY DOCKET NUMBER:	AM14344-02/AEP/ESONG
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NAME OF SUBMITTER:	ROBERT W MULCAHY
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Total Attachments: 4 source=14344-02 US-ASG 2010-09-21#page1.tif source=14344-02 US-ASG 2010-09-21#page2.tif source=14344-02 US-ASG 2010-09-21#page3.tif source=14344-02 US-ASG 2010-09-21#page4.tif
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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	QUANYUAN SHANG 21090 Canyon View Drive Saratoga, California 95070	2)	LU YANG 700 S. Abel St., Apt. 319 Milpitas, California 95035
3)	KARL M. BROWN 475 Milan Drive #219 San Jose, CA 95134	4)	DONALD J.K. OLGADO 831 Melville Avenue Palo Alto, California 94301
5)	VICTOR PEBENITO 507 Verano Court San Jose, California 95111	6)	HOOMAN BOLANDI 1982 Johnston Avenue San Jose, California 95125
7)	TETSUYA ISHIKAWA 20072 Kilbride Drive Saratoga, California 95070	8)	ROBERT Z. BACHRACH 233 Chapin Lane Burlingame, California 94010
9)	LIANG-YUH CHEN 525 Nottingham Lane Foster City, California 94404		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

IN-SITU DEPOSITION OF BATTERY ACTIVE LITHIUM MATERIALS BY THERMAL SPRAYING

for which application for Letters Patent in the United States was filed on August 24, 2010, under Serial No. 12/862,265, executed on even date herewith; and

WHEREAS, APPLIED MATERIALS, INC., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

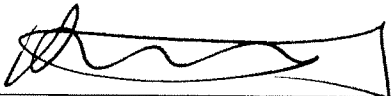
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall

include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

- 1) 8/30/2010 (DATE)  _____
QUANYUAN SHANG
- 2) _____ (DATE) _____
LU YANG
- 3) _____ (DATE) _____
KARL M. BROWN
- 4) _____ (DATE) _____
DONALD J.K. OLGADO
- 5) _____ (DATE) _____
VICTOR PEBENITO
- 6) _____ (DATE) _____
HOOMAN BOLANDI
- 7) _____ (DATE) _____
TETSUYA ISHIKAWA
- 8) _____ (DATE) _____
ROBERT Z. BACHRACH
- 9) _____ (DATE) _____
LIANG-YUH CHEN

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WHEREAS:

Names and Addresses of Inventors:

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1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.








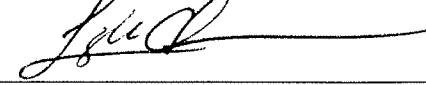
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall

include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

- | | | | |
|----|-------------------------|--|---------------------|
| 1) | _____ (DATE) | _____ | QUANYUAN SHANG |
| 2) | <u>8/27/2010</u> (DATE) |  | LU YANG |
| 3) | <u>27 Aug 10</u> (DATE) |  | KARL M. BROWN |
| 4) | <u>9/1/2010</u> (DATE) |  | DONALD J.K. OLEGADO |
| 5) | <u>8/30/10</u> (DATE) |  | VICTOR P. BENITO |
| 6) | <u>8/29/2010</u> (DATE) |  | HOOMAN BOLANDI |
| 7) | <u>8/27/10</u> (DATE) |  | TETSUYA ISHIKAWA |
| 8) | <u>9/7/2010</u> (DATE) |  | ROBERT Z. BACHRACH |
| 9) | <u>9/3/2010</u> (DATE) |  | LIANG-YUH CHEN |